

Listing of Claims:

1. (Currently Amended) A signal generator ~~having~~ which has
a license management function, and which is configured to
transmit a modulation signal as a test signal to a measurement
object corresponding to a digital communication equipment in a
5 mobile communication system, the signal generator comprising:

a signal creating and supplying unit which ~~creates a~~ is
configured to create the test signal to be transmitted to ~~a~~ the
measurement object; and

a license management unit which ~~manages~~ is configured to
10 manage a license of waveform data used in creating the test
signal by the signal creating and supplying unit, ~~characterized~~
~~in that~~ wherein the license management unit comprises:

a waveform data memory ~~which~~ that stores a plurality of
waveform data files into which a plurality of waveform data for
15 various tests is written;

a waveform data file information memory which stores
wave data file information specifying the plurality of waveform
data files stored in the waveform data memory;

a usable file list taking unit which ~~takes~~ is
20 configured to take a usable file list ~~for specifying that~~
specifies a usable waveform data file authenticated for the

signal generator, wherein the usable file list ~~being~~ is input
from an outside section;

25 a usable file list memory which ~~stores~~ is configured to
store the usable file list taken by the usable file list taking
unit;

30 a utilization file specifying unit which ~~specifies~~ is
configured to specify a desired waveform data file from the
plurality of waveform data files stored in the waveform data
memory;

35 a determining unit which ~~determines~~ utilizes the usable
file list stored in the usable file list memory and the wave data
file information stored in the waveform data file information
memory to determine whether or not the desired waveform data file
specified by the utilization file specifying unit is included in
the usable file list stored in the usable file list memory; and

40 a waveform data file reading and transferring unit
which reads the ~~a~~ specified waveform data file from the waveform
data memory and transfers the file to the signal creating and
supplying unit when the determining unit determines that the
desired waveform data file is included in the usable file list
memory, and

wherein:

45 the signal creating and supplying unit ~~creates~~ is
configured to create a predetermined test signal according to the

waveform data read from the specified waveform data file transferred by the waveform data file reading and transferring unit and ~~transmits~~ transmit the predetermined test signal to the measurement object,

50 the usable file list taken by the usable file list taking unit and the wave data file information stored in the waveform data file information memory have been encoded previously with inherent information in the signal generator,
 the signal generator further comprises a first decoding
55 unit which is configured to decode an encoded usable file list by using the inherent information in the signal generator and write a decoded usable file list in the usable file list memory, and a second decoding unit which is configured to decode an encoded wave data file information by using the inherent information in
60 the signal generator and transmit a decoded wave data file information to the determining unit, wherein the inherent information in the signal generator comprises a manufacture serial number of the signal generator, and
 the signal generator further comprises a manufacture
65 serial number memory which stores the manufacture serial number of the signal generator, and wherein the first decoding unit is configured to decode the encoded usable file list by using the manufacture serial number of the signal generator read from the manufacture serial number memory, and the second decoding unit is

70 configured to decode the encoded wave data file information by
 using the manufacture serial number of the signal generator read
 from the manufacture serial number memory.

 2. (Currently Amended) The signal generator having the
license management function according to claim 1, ~~characterized~~
~~in that~~ wherein:

each of the plurality of waveform data files stored in the
5 waveform data memory ~~each~~ has a version,

 a usable version is registered in the usable file list
stored into the usable file list memory according to the usable
waveform data file authenticated for the signal generator, and

 when the version of the specified waveform data file
10 specified by the utilization file specifying unit is equal to or
smaller than the usable version for the same waveform data file
registered in the usable file list, the determining unit
determines that the specified waveform data file is included in
the usable file list stored in the usable file list memory.

 Claims 3 and 4 (Canceled).

 5. (Currently Amended) The signal generator having the
license management function according to claim 1, ~~characterized~~
~~in that~~ wherein the encoded usable file list is ~~downloaded~~

downloadable with a charge into the signal generator from a site
5 of a ~~manufacture maker~~ manufacturer of signal generators ~~with~~
~~charge~~ through a network.

6. (Currently Amended) The signal generator having the
license management function according to claim 1, ~~characterized~~
~~in that wherein~~ the encoded usable file list is ~~downloaded~~
downloadable with a charge into the signal generator through a
5 storage medium provided by a ~~manufacture maker~~ manufacturer of
signal generators ~~with charge~~.

7. (Currently Amended) The signal generator having the
license management function according to claim 1, ~~characterized~~
~~in that the wherein~~ a given waveform data file ~~stored~~ for storing
in the waveform data memory is ~~downloaded~~ downloadable free of
5 charge from a site of a ~~manufacture maker~~ manufacturer of signal
generators through a network ~~without charge~~.

8. (Currently Amended) The signal generator having the
license management function according to claim 1, ~~characterized~~
~~by~~ further comprising:

a detail display unit which ~~displays~~ is configured to
5 display detailed information of the waveform data read from the
waveform data file transferred by the waveform data file reading

and transferring unit, and wherein the measurement object corresponds to a mobile phone for a W-CDMA system, and the detailed information includes a bit rate.

9. (Currently Amended) The signal generator having the license management function according to claim 1, ~~characterized by~~ further comprising:

5 a list display instructing unit for instructing a list display of titles of the waveform data files stored in the waveform data memory; and

a list display unit which displays a list of the tiles of the waveform data files stored in the waveform data memory, in response to an instruction by the list display instructing unit.

10. (Currently Amended) The signal generator having the license management function according to claim 1, ~~characterized in that~~ wherein at least one of a W-CDMA transmission test data package and a GSM transmission test data package is included in
5 the waveform data files stored in the waveform data memory.

11. (Currently Amended) A license management method of a signal generator which is configured to transmit a modulation signal as a test signal to a measurement object corresponding to

a digital communication equipment in a mobile communication
5 system, the method comprising:

~~a step for~~ preparing a signal creating and supplying unit
which ~~creates a~~ is configured to create the test signal to be
transmitted to ~~a~~ the measurement object; and

~~a step for~~ managing a license of waveform data used in
10 creating the test signal by the signal creating and supplying
unit, ~~characterized in that~~ wherein the managing ~~step~~ comprises:

~~a step for~~ storing in a waveform data memory, a
plurality of waveform data files into which a plurality of
waveform data for various tests is written;

15 storing in a waveform data file information memory,
wave data file information specifying the plurality of waveform
data files stored in the waveform data memory;

~~a step for~~ taking a usable file list which specifies a
usable waveform data file authenticated for the signal generator;

20 ~~a step for~~ storing the taken usable file list ~~taken by~~
~~the taking step~~ in a usable file list memory;

~~a step for~~ specifying a desired waveform data file from
the plurality of waveform data files stored in the waveform data
memory;

25 ~~a step for~~ determining utilizing the usable file list
stored in the usable file list memory and the wave data file
information stored in the waveform data file information memory

to determine whether or not the specified desired waveform data
file ~~specified by the specifying step~~ is included in the usable
30 file list stored in the usable file list memory; and

~~a step for reading a~~ the specified waveform data file
~~specified by the specifying step~~ from the waveform data memory
and transferring the specified waveform data file to the signal
creating and supplying unit when it is determined that the
35 specified desired waveform data file is included in the usable
file list memory ~~in the determining step~~, and

wherein:

the signal creating and supplying unit ~~creates~~ is
configured to create a predetermined test signal according to the
40 waveform data read from the transferred waveform data file
~~transferred by the transferring step~~ and ~~transmits~~ transmit the
predetermined test signal to the ~~test~~ measurement object,

the taken usable file list and the wave data file
information stored in the waveform data file information memory
45 have been encoded previously with inherent information in the
signal generator,

the method further comprises decoding an encoded usable
file list with the inherent information in the signal generator
and writing a decoded usable file list in the usable file list
50 memory, and decoding an encoded wave data file information with
the inherent information in the signal generator and transmitting

55 a decoded wave data file information for determining whether the
specified desired waveform data file is included in the usable
file list, wherein the inherent information in the signal
generator is a manufacture serial number of the signal generator,
the method further comprises storing the manufacture
serial number of the signal generator in a manufacture serial
number memory, and wherein the encoded usable file list and the
encoded wave data file information are decoded by using the
60 manufacture serial number of the signal generator read from the
manufacture serial number memory.

12. (Currently Amended) The license management method of the
signal generator according to claim 11, ~~characterized in that~~
wherein:

5 each of the plurality of waveform data files stored in the
waveform data memory ~~each~~ has a version,
a usable version is registered in the usable file list
stored in the usable file list memory according to the usable
waveform data file authenticated for the signal generator, and
when the version of the specified waveform data file
10 ~~specified by the specifying step~~ is equal to or smaller than the
usable version for the same waveform data file registered by the
usable file list, it is determined ~~in the determining step~~ that

the specified waveform data file is included in the usable file list stored in the usable file list memory.

Claims 13 and 14 (Canceled).

15. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ wherein the encoded usable file list is ~~downloaded~~ downloadable with a charge into the signal generator from a site of a
5 ~~manufacture maker~~ manufacturer of signal generators ~~with charge~~ through a network.

16. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ wherein the encoded usable file list is ~~downloaded~~ downloadable with a charge into the signal generator through a storage medium
5 provided by a ~~manufacture maker~~ manufacturer of signal generators ~~with charge~~.

17. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ the wherein a given waveform data file ~~stored~~ for storing in the waveform data memory is ~~downloaded~~ downloadable free of charge
5 from a site of a ~~manufacture maker~~ manufacturer of signal generators through a network ~~without charge~~.

18. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized by~~ further comprising:

5 ~~a step for~~ displaying detailed information of the waveform data read from the transferred waveform data file, wherein the measurement object corresponds to a mobile phone for a W-CDMA system, and the detailed information includes a bit rate.

19. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized by~~ further comprising:

5 ~~a step for~~ instructing a list display of titles of the waveform data files stored in the waveform data memory; and

~~a step for~~ displaying a list of the tiles of the waveform data files stored in the waveform data memory, in response to an instruction of the list display.

20. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ wherein at least one of a W-CDMA transmission test data package and a GSM transmission test data package is included in the
5 waveform data files stored in the waveform data memory.